

033048-047

What is claimed is:

1. A graphical user interface for network configuration of a plurality of devices, said graphical user interface comprising:

5 a first user interface element actuatable to access a first portion of said graphical user interface, which first portion displays information associated with a plurality of virtual local area networks (VLANs) associated with said plurality of devices.

10 2. The graphical user interface of claim 1, wherein said first user interface element is a link which is actuatable via a pointing device and a cursor displayed on said graphical user interface.

15 3. The graphical user interface of claim 1, wherein said first portion of said graphical user interface includes a screen wherein a user can select from a plurality of data centers and a plurality of customers to access said information associated with said plurality of devices that correspond to said customer.

4. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of VLAN names.

20 5. The graphical user interface of claim 4, wherein each of said plurality of VLAN names is linked to a second portion of said graphical user interface, which second portion displays a status of each of a plurality of IP addresses associated with a selected VLAN.

033048-047

6. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of compartment names that each identify a compartment within which a corresponding VLAN is disposed.

5 7. The graphical user interface of claim 6, wherein each of said plurality of compartment names is linked to a second portion of said graphical user interface, which second portion displays all of the VLANs associated with a selected compartment.

10 8. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of description fields, each of which provides a textual description of a corresponding VLAN.

15 9. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of type fields, each of which identifies a type of a corresponding VLAN.

10. The graphical user interface of claim 9, wherein said type field can include a value of one of: server, public, embryo, console.

20 11. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of status fields, each of which identifies a status of a corresponding VLAN.

033048-047

12. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of subnet fields, each of which identifies an internet protocol (IP) address space assigned to a corresponding VLAN.

5 13. The graphical user interface of claim 12, wherein each of said subnet fields contain IP address range values expressed using a classless inter-domain routing (CIDR) protocol.

10 14. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of domain fields, each of which indicates a broadcast domain associated with a corresponding VLAN.

15 15. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a list of all of the VLANs located in a particular compartment.

16. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a plurality of sub-type fields, each of which defines a role of a corresponding VLAN within a customer's infrastructure.

20 17. The graphical user interface of claim 1, wherein said graphical user interface further comprises:

033048-047

a second user interface element actuable to view additional information associated with a selected VLAN.

18. The graphical user interface of claim 17, wherein said additional information includes a status of each IP address assigned to said selected VLAN.

5 19. The graphical user interface of claim 17, wherein said additional information includes a hostname associated with each IP address assigned to said selected VLAN.

20. The graphical user interface of claim 1, wherein said graphical user interface further comprises:
10 a second user interface element actuable to edit information associated with a selected VLAN.

21. The graphical user interface of claim 20, wherein actuation of said second user interface elements results in an edit screen being displayed for said selected VLAN, wherein a user can enter at least one of a VLAN name, a pool
15 name and a description.

22. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a mechanism for generating at least one hostname for a selected VLAN.

23. The graphical user interface of claim 22, wherein said mechanism is
20 actuable to generate said at least one hostname for an unassigned IP address associated with said selected VLAN.

24. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a mechanism for generating at least one dynamic host configuration protocol (DHCP) reservation for an available IP address associated with said selected
5 VLAN.

25. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a mechanism for generating a plurality of hostnames for a selected VLAN.

26. The graphical user interface of claim 1, wherein said first portion includes, as said information associated with said plurality of VLANs, a GUI
10 element actuable to add another VLAN to a customer's infrastructure.